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ABSTRACT OF THE DISCLOSURE

Four proteins are obtained from *H. pylori* bacteria each of which has regions which act as antigens specific to *H. pylori*. The proteins are isolated, purified and designated HP1, HP2, HP3, and HP4 with respective molecular weights of 32 kd, 30 kd, 23 kd and 15 kd. An assay, a method and a kit is developed utilizing a combination of at least three of these protein to detect the presence of antibodies to *H. pylori* in human sera. The method of detection is quantified and suitable for monitoring the eradication of *H. pylori* bacteria by drug therapy of human patients infected by these bacteria.

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